

# PAPER CONTAINER WITH WINDOW

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**Applicant:** DAINIPPON PRINTING CO LTD

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- European:

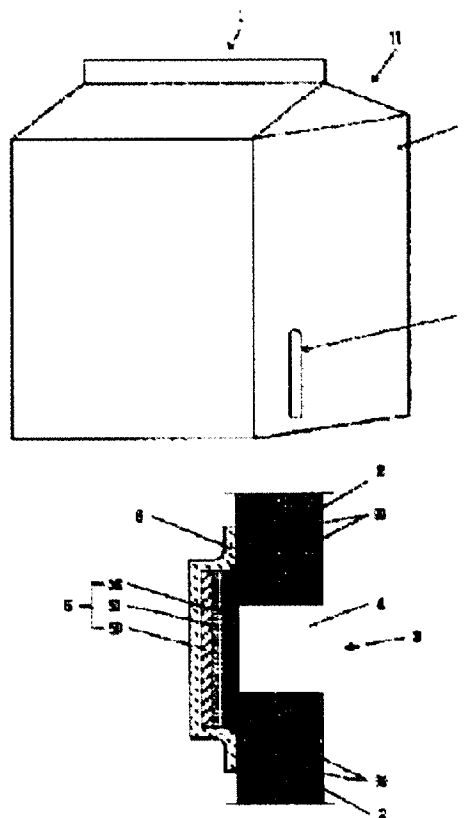
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## Abstract of JP11227752

**PROBLEM TO BE SOLVED:** To provide a paper container with window that is excellent in lightproofness and gas barriering and capable of housing contents such as one showing strong corrosiveness of acidity, alkalinity or the like, or showing strong permeability of alcohol or the like, or one consisting of liquid matter. **SOLUTION:** For a paper container 11 made up of a laminated body composed at least of a base layer consisting of paper layer, an intermediate layer consisting of gas barriering layer and an inner layer consisting of thermoadhesive layer, a notched part 4 is formed at the paper container and a transparent sealing-up sheet 5 having a highly gas-barriering core layer at its center and adhesive layers each composed of thermoadhesive resin layer at both sides of the core layer for hermetically sealing the notched part is stuck by heat sealing at its adhesive layer on one side to the peripheral part of the notched part 4 at the inner layer of the container, and while a transparent protective sheet 6 consisting of thermoadhesive resin layer is provided to cover the sealing-up sheet 5 for preventing contents of the container from contacting at least to end face of the sealing-up sheet, the protective sheet 6, the inner layer of the container 11 and the adhesive layer on one side of the sealing-up sheet 5 are all stuck together by heat sealing.



## Partial Translation of JP 11-227752 A

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Applicant : DAINIPPON PRINTING CO., LTD.

Title of the Invention : PAPER CONTAINER WITH WINDOW

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### Translation of paragraph [0008]

[0008] In order for the inventors to achieve the aforementioned object, the paper container with a window of the invention according to claim 1 is composed of a laminate including a base material layer formed of at least a paper layer, an intermediate layer formed of a gas-barrier layer, and an inner layer formed of a thermally adhesive resin layer, wherein the paper container is provided with a cutout part, a transparent sealing sheet seals the cutout part in the inner layer of the paper container at the periphery of the cutout part and includes a core layer with excellent gas barrier properties and adhesive layers, each of which is formed of a thermally adhesive resin layer, provided on both surfaces of the core layer, the transparent sealing sheet is thermally attached to the paper container by one of the adhesive layers, a transparent protective sheet formed of a thermally adhesive resin layer is provided to cover the sealing sheet so that the content does not come into contact with at least end surfaces of the sealing sheet, and the protective sheet and the inner layer of the paper container as well as the other adhesive layer of the sealing sheet are thermally attached to each other. With such a configuration, since contents can be isolated from the sealing sheet, it is prevented from being affected by the contents, and excellent gas barrier properties can be obtained and delamination and deterioration in interlayer strength of the sealing sheet can be prevented from occurring.

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FIG.1

